



**SECOND**  
**INFORMATION DISCLOSURE**  
**STATEMENT BY APPLICANT**  
 (use as many sheets as necessary)

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| Application Number   | 10/525,072             |
| Filing Date          | August 12, 2005        |
| First Named Inventor | Seong-Hwoon Kim et al. |
| Examiner Name        |                        |
| Attorney Docket No.  | 1017750-000847         |

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**U.S. PATENT DOCUMENTS**

| Examiner Initials | Document Number-Kind Code | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines Where Relevant Passages or Figures Appear |
|-------------------|---------------------------|-----------------------------|---|---|
|                   | US-2003/128495 A1         | 07-10-2003                  | Obert et al.                                    |   |
|                   | US-                       |                             |   |   |
|                   | US-                       |                             |   |   |
|                   | US-                       |                             |   |   |
|                   | US-                       |                             |   |   |
|                   | US-                       |                             |   |   |
|                   | US-                       |                             |   |   |
|                   | US-                       |                             |   |   |
|                   | US-                       |                             |   |   |
|                   | US-                       |                             |   |   |

**FOREIGN PATENT DOCUMENTS**

| Examiner Initials | Foreign Patent Document<br>Country Code <sup>1</sup> , Number, Kind Code | Publication Date (MM-DD-YYYY) | Name of Patentee or Applicant of Cited Document | STATUS      |                     |                    |               |      |          |                            |
|-------------------|--|-------------------------------|---|-------------|---------------------|--------------------|---------------|------|----------|----------------------------|
|                   |  |                               |   | Translation | Partial Translation | Eng. Lang. Summary | Search Report | IPER | Abstract | Cited in Spec. / Pg. No(s) |
|                   | GB 2 027 299 A   | 02-13-1980                    | Licentia GmbH                                   |             |                     |                    | X             |      |          |                            |
|                   | EP 0 516 174 A   | 12-02-1992                    | Hughes Aircraft Co.                             |             |                     |                    | X             |      |          |                            |
|                   | JP 05 267908A  | 10-15-1993                    | Nippon Denshin Denwa KK                         |             |                     |                    | X             |      | X        |                            |
|                   |  |                               |   |             |                     |                    |               |      |          |                            |
|                   |  |                               |   |             |                     |                    |               |      |          |                            |
|                   |  |                               |   |             |                     |                    |               |      |          |                            |
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|                   |  |                               |   |             |                     |                    |               |      |          |                            |

\*Enter Office that issued the document, by the two-letter code.

**NON-PATENT LITERATURE DOCUMENTS**

| Examiner Initials | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published |
|-------------------|--|
|                   | Borgioli, A. et al. "Low-Loss Distributed MEMS Phase Shifter." IEEE MICROWAVE AND GUIDED WAVE LETTERS, Vol. 10, No. 1, January 2000. IEEE Inc., New York, NY. XP011034890, ISSN: 1051-8207, pp. 7-9.   |
|                   | Chang, K. et al., "Novel Low-Cost Beam-Steering Techniques." IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, Vol. 50, No. 5, May 2002. IEEE Service Center, Piscataway, NJ. XP011068519, ISSN: 0018-926X, pp. 618-627.  |
|                   | European Search Report issued November 22, 2007 in European Patent Application No. EP 03 79 3110.2.  |
|                   |  |
|                   |  |

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|--------------------|--------------|-----------------|------------|
| Examiner Signature | /Eugene Yun/ | Date Considered | 11/21/2008 |
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. ~~Initial if not in conformance and not considered.~~

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /EY/